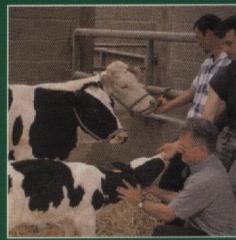


ISSN 1751-7311

VOLUME 3



animal

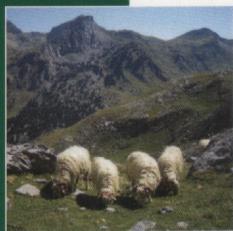
AN INTERNATIONAL JOURNAL OF ANIMAL BIOSCIENCE



animal

CAMBRIDGE
UNIVERSITY PRESS

CONTENTS



- Breeding and genetics
Ollivier, L.
European pig genetic diversity: a minireview (review) 915
Tarrés, J., Liu, Z., Reinhardt, F., Reents, R. and Ducrocq, V.
Binational evaluation of type traits from Germany and France with a single-trait MACE animal model 925
Clarke, A. M., Drennan, M. J., McGee, M., Kenny, D. A., Evans, R. D. and Berry, D. P.
Live animal measurements, carcass composition and plasma hormone and metabolite concentrations in male progeny of sires differing in genetic merit for beef production 933
Yang, B., Huang, X., Yan, X., Ren, J., Yang, S., Zou, Z., Zeng, W., Ou, Y., Huang, W. and Huang, L.
Detection of quantitative trait loci for porcine susceptibility to enterotoxigenic *Escherichia coli* F41 in a White Duroc×Chinese Erhualian resource population 946
- Nutrition
Niderkorn, V. and Baumont, R.
Associative effects between forages on feed intake and digestion in ruminants (review) 951
Boeckaert, C., Morgavi, D. P., Jouany, J.-P., Maignien, L., Boon, N. and Fievez, V.
Role of the protozoan *Isotricha prostoma*, liquid-, and solid-associated bacteria in rumen biohydrogenation of linoleic acid 961
- Physiology and functional biology of systems
Chadwick, M. A., Williams, I. H., Vercoe, P. E. and Revell, D. K.
Feeding pregnant ewes a high-salt diet or saltbush suppresses their offspring's postnatal renin activity 972
Chaze, T., Meunier, B., Chambon, C., Jurie, C. and Picard, B.
Proteome dynamics during contractile and metabolic differentiation of bovine foetal muscle 980
Markham, T. C. W., Latorre, R. M., Lawlor, P. G., Ashton, C. J., McNamara, L. B., Natter, R., Rowleson, A. and Stickland, N. C.
Developmental programming of skeletal muscle phenotype/metabolism 1001
- Behaviour, welfare and health
Olmos, G., Boyle, L., Horan, B., Berry, D. P., Sayers, R., Hanlon, A. and Mee, J. F.
Effect of Holstein–Friesian genetic group on peripartum and early lactation haematological and acute phase proteins profiles, health and fertility 1013
Heter, R. S., de Witt, B. A., Fick, L. G., Fuller, A., Kerley, G. I. H., Maloney, S. K., Meyer, L. C. R. and Mitchell, D.
Shearing at the end of summer affects body temperature of free-living Angora goats (*Capra aegagrus*) more than does shearing at the end of winter 1025
Ibeaga, A. E., Ibeaga-Awemu, E. M., Mehrzad, J., Baurhoo, B., Kgwatalala, P. and Zhao, X.
The effect of selenium sources and supplementation on neutrophil functions in dairy cows 1037
- Farming systems and environment
Rufino, M. C., Herrero, M., Van Wijk, M. T., Hemerik, L., De Ridder, N. and Giller, K. E.
Lifetime productivity of dairy cows in smallholder farming systems of the Central highlands of Kenya 1044
- Product quality, human health and well-being
Pauly, C., Spring, P., O'Doherty, J. V., Kragten, S. A. and Bee, G.
Growth performance, carcass characteristics and meat quality of group-penned surgically castrated, immunocastrated (Improvac®) and entire male pigs and individually penned entire male pigs 1057
Givens, D. I., Kliem, K. E., Humphries, D. J., Shingfield, K. J. and Morgan, R.
Effect of replacing calcium salts of palm oil distillate with rapeseed oil, milled or whole rapeseeds on milk fatty-acid composition in cows fed maize silage-based diets 1067